



Sixnet® SLX-8MS-5ST Managed 8-port Industrial Ethernet Switch

Item number: SLX-8MS-5ST

The Sixnet® 8-port Managed Industrial Ethernet Switch enables fast Ethernet connectivity for industrial equipment in extreme industrial settings. Rugged and high-performing with a range of advanced control, monitoring and security features deployable through a web browser. Six 10/100BaseTX RJ-45 ports and two 100BaseFX singlemode 20km fibers ports with ST connectors.



High-speed 8-port managed Ethernet switch for industrial connectivity

Features and benefits

✓ Easily connect and manage Ethernet-enabled devices

Deliver outstanding switch performance to maritime, oil & gas, transportation, utility and energy applications. Well suited for use as a fiber optic ring manager or an aggregation switch.

✓ Copper and fiber capability via 8 total ports

Connect devices to up to 6 ports, including six 10/100BaseTX copper ports and two 100BaseFX singlemode 20km fibers ports with ST connectors.

✓ User-configurable advanced functionality

Features are easily configurable from a web browser or CLI management. Set up RSTP/MSTP, VLAN, priority queuing, IGMP, SNMP, RMON and port mirroring to your specifications.

✓ Real-Time Ring technology and RSTP

Real-Time Ring technology and Rapid Spanning Tree Protocol (RSTP) provide network redundancy. Monitor ring and spanning tree health status via web browser.

✓ Leading certifications for industrial environments

IEEE 802.3 compliance. Suitable for hazardous environments with UL Class I, Division 2 listing and CE and CSA certifications. ABS Type approval for shipboard applications. Over 1 million hours MTBF and operating temperature of -40 °C to 75 °C.

✓ Enhanced port security

Port-based MAC address filtering and HTTPS, SSH, SSL and SNMPv3 protocols deliver a high level of security to your network connections. Supports up to 2048 MAC addresses.

✓ Engineered for rugged environments

Durable, hardened metal DIN-rail mountable enclosures offer extended shock and vibration protection and electrical noise and surge immunity. Suitable for the most demanding industrial environments.

✓ High-performing Ethernet ports

Auto-sensing for speed, flow and MDIX. Ethernet switching technology makes RJ-45 ports full/half duplex capable.

✓ Intelligent Ethernet routing

Route Ethernet messages only out the appropriate port and enable priority queuing (QoS/CoS/DS). Broadcast and multicast with storm protection.

✓ Alarm and status monitoring

Stay informed about switch health and power using LED status indicators and configurable alarm output.

✓ Remote monitoring with Modbus/TCP

Monitor power, port and ring status through a web browser in real time using Modbus/TCP monitoring.

✓ Redundant power inputs and surge protection

Dual redundant power inputs (10-30 VDC) with surge protection.

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General	
Net Weight (g)	476.2716
Packed Weight (g)	476.2716
Operating Temperature °C Min	-40
Operating Temperature °C Max	75
Storage Temperature °C Min	-40
Storage Temperature °C Max	85
Relative Humidity	5% to 95% (non condensing)
Power Consumption (W)	0
Input Voltage (V)	10-30 VDC
Maximum Installation Altitude (m)	9144
Mounting	DIN rail mount (bracket included)
Housing Materials	Aluminium
Packaging Material	Cardboard
Warranty (years)	5
Identification and Status	
Product ID	SLX-8MS-5ST
Country of Origin	Taiwan (Province of China)
HS Code	8517620000
Dual Usage	No
Physical Features	
Top Wiring Clearance (mm)	102

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Physical Features

Front Wiring Clearance (mm)	102
SD Card Slot	No
Flash Drive	No
Contains Battery	No

Bluetooth Features

Net Data Throughput	Up to 1.6 Gb/s
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Certifications and Standards

Protection Class IP	IP40
RoHS Compliant	Yes
CE	Yes
FCC	Yes
UKCA	No
UL	Yes
ATEX	Yes
DNV	No
KC	No
Mean Time Before Failure (MTBF)	>2 million
Vibration and Shock	Shock: IEC 60068-2-6 and -27; Vibration: IEC 60068-2-6 and -27